

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**SUPPLEMENTAL SPECIFICATION**

**Section 803—Stabilizer Aggregate**

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*Delete Section 803 and substitute the following:*

**803.1 General Description**

This section includes the requirements for stabilizer aggregate, Types I through III, and Type IV stabilizer sand.

**803.1.01 Related References**

**A. Standard Specifications**

[Section 800—Coarse Aggregate](#)

**B. Referenced Documents**

AASHTO T 27

AASHTO T 96

[GDT 63](#)

[SOP 1](#)

**803.2 Materials**

**803.2.01 Type I Stabilizer**

**A. Requirements**

Use the appropriate type, class, and grade of stabilizer aggregate.

Use material of uniform quality that meets the requirements of [Section 800](#), Class A or B aggregate, and [SOP 1](#). Crushed concrete may be used provided it meets the requirements of [Section 800](#) that are applicable to Group 2 aggregates. Ensure the material meets the following gradation:

Sieve Size	% Passing by Weight
1-1/2 in (37.5 mm)	100
1 in (25 mm)	80-100
No. 8 (2.36 mm)	0-5

**B. Fabrication**

General Provisions 101 through 150.

**C. Acceptance**

Use the following test:

Test	Method
Sieve analysis	AASHTO T 27

**D. Materials Warranty**

General Provisions 101 through 150.

### 803.2.02 Type II Stabilizer Aggregate

#### A. Requirements

Use material that meets the requirements of [Section 800](#), Class A or B aggregate, and [SOP 1](#). Crushed concrete may be used provided it meets the requirements of [Section 800](#) that are applicable to Group 2 aggregates.

The aggregate shall:

- Not contain overburden soil or disintegrated rock
- Have a sand equivalent value of at least 20 for material passing the No. 10 (2 mm) sieve
- Meet these gradation requirements:

Sieve Size	% Passing by Weight
2 in (50 mm)	100
1-1/2 in (37.5 mm)	95-100
No. 10 (2 mm)	15-45
No. 200 (75 µm)	0-12

#### B. Fabrication

General Provisions 101 through 150.

#### C. Acceptance

Test type II stabilizer as follows:

Test	Method
Sieve analysis	AASHTO T 27
Sand equivalent	<a href="#">GDT 63</a>

#### D. Materials Warranty

General Provisions 101 through 150.

### 803.2.03 Type III Stabilizer Aggregate

#### A. Requirements

Use material that meets the requirements of [Section 800](#), Class A or B aggregate, and [SOP 1](#). Crushed concrete may be used provided it meets the requirements of [Section 800](#) that are applicable to Group 2 aggregates.

Ensure the stabilizer aggregate does not contain soil or decomposed rock and that the Sand Equivalent value of the material passing the No. 10 sieve is not less than 20.

The aggregate shall meet these gradation requirements:

Sieve Size	% Passing by Weight
6 in (150 mm)	100
2 in (50 mm)	25-75
No. 10 (2 mm)	15-35

#### B. Fabrication

General Provisions 101 through 150.

#### C. Acceptance

Test Type III stabilizer as follows:

Test	Method
Sieve analysis	AASHTO T 27
Percent wear	AASHTO T 96

#### D. Materials Warranty

General Provisions 101 through 150.

#### 803.2.04 Type IV Stabilizer Sand

##### A. Requirements

Make Type IV stabilizer sand from either natural sand, manufactured sand, or any combination of natural and manufactured sands.

1. If using manufactured sand, make the sand from Class A or B crushed stone, gravel, slag, or synthetic aggregate that meets [Section 800](#) requirements and conforms to [SOP 1](#).
2. Type IV stabilizer sand shall have a sand equivalent of at least 35 for material passing the No. 10 (2 mm) sieve and shall also meet these gradation requirements.

Sieve Size	% Passing by Weight
No. 10 (2 mm)	60-100
No. 60 (250 µm)	5-40
No. 200 (75 µm)	0-20

##### B. Fabrication

General Provisions 101 through 150.

##### C. Acceptance

Test Type IV stabilizer as follows:

Test	Method
Sieve analysis	AASHTO T 27
Sand equivalent	<a href="#">GDT 63</a>

##### D. Materials Warranty

General Provisions 101 through 150.